

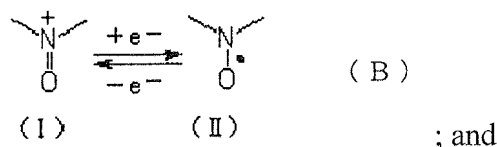
AMENDMENTS TO THE CLAIMS:

Kindly amend claim 6, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

Claim 1 (previously presented): A chemical battery comprising:

a cathode including a nitroxyl polymer as a cathode active material which has a nitroxyl cation partial structure represented by the following chemical formula (I) in oxidation state and has a nitroxyl radical partial structure represented by the following chemical formula (II) in reduction state; employing a reaction for transferring an electron between the two states represented by the following equation (B) as an electrode reaction of the cathode:

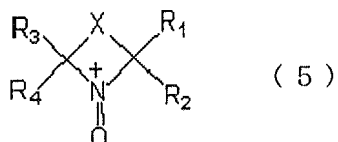


a cathode collector comprising an aluminum plate and a conductive auxiliary layer comprising carbon as a main component, the conductive auxiliary layer being formed and integrated on [[an]]the aluminum plate.

Claim 2 (previously presented): The chemical battery according to claim 1, further comprising an electro-conductivity imparting agent in the cathode, wherein the content of the electro-conductivity imparting agent in the cathode is 50 % by weight or less.

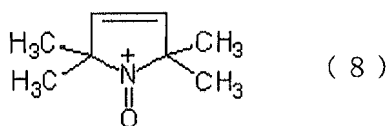
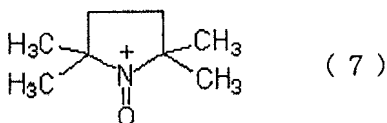
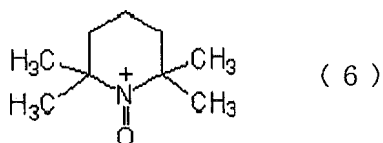
Claim 3 (previously presented): The chemical battery according to claim 2, wherein the content of the electro-conductivity imparting agent is 40 % by weight or less.

Claim 4 (previously presented): The chemical activity according to claim 1, wherein the nitroxyl polymer is a polymer compound having a cyclic nitroxyl structure represented by the following chemical formula (5) in oxidation state:



wherein each of R₁ to R₄ independently represents an alkyl group, and X represents a divalent group so that the chemical formula (5) forms a 5- to 7-membered ring, while X constitutes a part of a side chain or a main chain of the polymer.

Claim 5 (previously presented): The chemical battery according to claim 4, wherein the nitroxyl polymer is a polymer compound having a side chain containing a residue which removes at least one hydrogen atom bonded to an element forming at least one cyclic nitroxyl structure selected from the group consisting of a 2,2,6,6-tetramethylpiperidinoxyl cation represented by chemical formula (6), a 2,2,5,5-tetramethylpyrrolidinoxyl cation represented by chemical formula (7) and a 2,2,5,5-tetramethylpyrrolinoxyl cation represented by chemical formula (8)



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Claim 6 (currently amended): The chemical battery according to claim 1, wherein the conductive auxiliary layer is formed and integrated on the aluminum plate by layering a thin film of the main component on the aluminum ~~electrode~~plate.

Claim 7 (previously presented): The chemical battery according to claim 1, wherein the chemical battery is a coin-type battery.

Claim 8 (previously presented): The chemical battery according to claim 1, wherein the cathode is in contact with the conductive auxiliary layer.

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